

## Message Text

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PAGE 01 STATE 173681  
ORIGIN EB-08

INFO OCT-01 EUR-12 ISO-00 DODE-00 NSAE-00 USIA-06  
TRSE-00 ERDA-05 CIAE-00 COME-00 /032 R

DRAFTED BY EB/ITP/EWT - LROSS:JAS  
APPROVED BY EB/ITP/EWT - WAROOT  
COMMERCE/OEA - RGAREL  
DEFENSE/OSD - LJAMES  
RPE

-----073685 260059Z /73

P 252146Z JUL 77  
FM SECSTATE WASHDC  
TO AMEMBASSY PARIS PRIORITY

C O N F I D E N T I A L STATE 173681

USOECN, EXCON

E.O. 11652: XGDS-1

TAGS: ESTC, COCOM, NL, RO

SUBJECT: NETHERLANDS DIFFUSION SYSTEMS TO ROMANIA--IL 1355

REF: A) PARIS 20233, B) COCOM DOC (77) 444

OBJECT. FURNACES IN QUESTION ARE HIGH TEMPERATURE UNITS  
(1300 DEGREES C.) COMPLETE WITH AUTOMATED GAS SYSTEMS AND  
AUTOMATED WAFER LOADING AND UNLOADING SYSTEMS. FURNACE  
TUBES ARE 5 INCH OUTSIDE DIAMETER WITH 30 TO 36 INCH FLAT  
ZONES. THEY ARE ADVANCED AND EXCEED IN SIZE AND PERFORMANCE  
UNITS PREVIOUSLY APPROVED TO PROSCRIBED DESTINATIONS.  
THESE FURNACES CORRESPOND TO THE LARGEST COMPUTERIZED  
FURNACES AVAILABLE IN THE US AND ARE OF THE TYPE CURRENTLY  
USED IN THE US SEMICONDUCTOR INDUSTRY FOR DIFFUSION PROCES-  
SING THE MOST COMPLEX MSI AND LSI CIRCUITS. DOCUMENTATION  
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SUBMITTED WITH CASE IMPLIES THAT THE PRIMARY USAGE FOR THE  
MODEL 280 UNITS IS POWER TRANSISTORS AND SCR SEMICONDUCTORS.  
HOWEVER, THESE FURNACES ARE CAPABLE OF PROVIDING A MUCH  
HIGHER LEVEL OF PERFORMANCE THAN IS NECESSARY FOR PROCES-  
SING POWER DEVICES. VANCE

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NNN

## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01-Jan-1994 12:00:00 am  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** ELECTRONIC EQUIPMENT, STRATEGIC TRADE CONTROLS, IL 1355  
**Control Number:** n/a  
**Copy:** SINGLE  
**Sent Date:** 25-Jul-1977 12:00:00 am  
**Decaption Date:** 01-Jan-1960 12:00:00 am  
**Decaption Note:**  
**Disposition Action:** RELEASED  
**Disposition Approved on Date:**  
**Disposition Case Number:** n/a  
**Disposition Comment:** 25 YEAR REVIEW  
**Disposition Date:** 22 May 2009  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
**Disposition Remarks:**  
**Document Number:** 1977STATE173681  
**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** LROSS:JAS  
**Enclosure:** n/a  
**Executive Order:** X1  
**Errors:** N/A  
**Expiration:**  
**Film Number:** D770265-0400  
**Format:** TEL  
**From:** STATE  
**Handling Restrictions:** n/a  
**Image Path:**  
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**Legacy Key:** link1977/newtext/t19770721/aaaaasgr.tel  
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**Litigation Codes:**  
**Litigation History:**  
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**Message ID:** 8db98264-c288-dd11-92da-001cc4696bcc  
**Office:** ORIGIN EB  
**Original Classification:** CONFIDENTIAL  
**Original Handling Restrictions:** n/a  
**Original Previous Classification:** n/a  
**Original Previous Handling Restrictions:** n/a  
**Page Count:** 2  
**Previous Channel Indicators:** n/a  
**Previous Classification:** CONFIDENTIAL  
**Previous Handling Restrictions:** n/a  
**Reference:** 77 PARIS 20233  
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**Review Exemptions:** n/a  
**Review Media Identifier:**  
**Review Release Date:** n/a  
**Review Release Event:** n/a  
**Review Transfer Date:**  
**Review Withdrawn Fields:** n/a  
**SAS ID:** 1756329  
**Secure:** OPEN  
**Status:** NATIVE  
**Subject:** NETHERLANDS DIFFUSION SYSTEMS TO ROMANIA--IL 1355  
**TAGS:** ESTC, NL, RO, COCOM  
**To:** PARIS  
**Type:** TE  
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**Review Markings:**  
Margaret P. Grafeld  
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US Department of State  
EO Systematic Review  
22 May 2009  
**Markings:** Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 22 May 2009